DEVICE AND METHOD FOR CONTROLLING FLOW CYTOMETER HAVING NEGATIVE PRESSURE FLUIDICS

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Abstract of **JP 6221988 (A)**

PURPOSE: To provide a controlling apparatus for a flow sight meter provided with negative pressure fluidics. CONSTITUTION: This controlling apparatus 10 comprises a negative pressure pump 12 to pump up a sheath fluid form a supply reservoir 14 through a flow cell assembled body 16 and to discharge wastes from the flow cell to a waste reservoir 17. Negative pressure is generated through a conduit connected to the flow cell 16 to the supply reservoir 14 and a cell suspension is sucked to the flow cell 16 from a sample container 46. Starting, stopping, back-washing, and discharging of flow cell assembled body 16 are controlled by programming the operation of electric solenoid valves V1-V4 which communicate a fluid with an inlet path and outlet path of the flow cell, the operation of a back-washing pump, and the operation of the pipe lifting apparatus 48.; Air dissolved in sheath fluid to be supplied to the flow cell assembled body 16 is removed, so that air is prevented from entering the detection region of the flow cell assembled body 16 and also foam formation is prevented.